



EVO GENERATION: THE NEXT LEVEL

The EVO generation of all the most popular Tesmec trenchers and surface miners can trench hard and abrasive rock, providing unmatched **productivity** and **cost efficiency** combined with a significant **fuel consumption reduction**.

Rock hardness represents the major limit for trenchers' productivity. Beyond a determined hardness value, teeth are unable to fracture and break-out the rock, resulting in mere scratching and a huge productivity drop.

The approach to move productivity limit further is to increase the digging chain-pull in order to have higher break-out force of the teeth.

In case of abrasive rock the teeth consumption is the main operating cost factor: the only way to extend teeth life

and get a real cost saving is to reduce the digging chain-speed.

EVO machines combine **higher chain-pull** and **lower chain-speed**, with a range of 5 selectable chain speeds thanks to improved flywheels gearboxes, new hydraulic components and the latest release of the TrenchTronic 5.0 for full digital control of the automatic digging function.

The greatest improvement of digging performance, compared to the previous generation of machines, can be noticed in the toughest conditions: hard solid rock and deep trenching.

EVO technology is available on our best sellers Chainsaw and Rock Hawg.



EVO

**IMPROVED
PERFORMANCE**

**UP TO 40% HIGHER PRODUCTIVITY
IN HARD ROCK**

**COST
REDUCTION**

**UP TO 50% DIGGING COST
REDUCTION**

EVO SERIES

975 CHAINSAW ROCK HAWG

| | | | | |
|----------------------------|---------------|------------------------------------|---|------------------------------------|
| CHAIN SPEED DECREASE | 46% | CHAIN PULL INCREASE | 98% <small>continuous</small> | 107% <small>peak</small> |
| PICKS CONSUMPTION DECREASE | 30÷40% | PRODUCTIVITY INCREASE IN HARD ROCK | 50÷70% | |

1150 CHAINSAW ROCK HAWG

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|----------------------------|---------------|------------------------------------|--|-----------------------------------|
| CHAIN SPEED DECREASE | 50% | CHAIN PULL INCREASE | 101% <small>continuous</small> | 52% <small>peak</small> |
| PICKS CONSUMPTION DECREASE | 50÷60% | PRODUCTIVITY INCREASE IN HARD ROCK | 30÷40% | |

1475 CHAINSAW ROCK HAWG

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|----------------------------|---------------|------------------------------------|---|-----------------------------------|
| CHAIN SPEED DECREASE | 35% | CHAIN PULL INCREASE | 52% <small>continuous</small> | 42% <small>peak</small> |
| PICKS CONSUMPTION DECREASE | 35÷45% | PRODUCTIVITY INCREASE IN HARD ROCK | 25÷35% | |

1675 CHAINSAW

| | | | | |
|----------------------------|---------------|------------------------------------|---|-----------------------------------|
| CHAIN SPEED DECREASE | 30% | CHAIN PULL INCREASE | 45% <small>continuous</small> | 43% <small>peak</small> |
| PICKS CONSUMPTION DECREASE | 30÷40% | PRODUCTIVITY INCREASE IN HARD ROCK | 20÷30% | |

Data listed in this report are taken from actual and historical job sites or estimation, on given and defined conditions, which may vary on a case by case basis. All the percentages indicated are calculated by comparing EVO models with previous ones, assuming work on the same yard and on the same conditions. The data and the Tesmec's products shown are for illustrative purposes only, and are subject to change without notice or obligation. As a consequence TESMEC cannot accept any liability for damages, losses (both direct or consequential) or other claims arising from the use of this report, productivity data or any part of thereof. This report and its content is confidential and shall not be divulged without Tesmec consent.